

Final

**From:** Honker, William  
**nt:** Friday, November 14, 2014 1:44 PM  
**Subject:** Curry, Ron;Coleman, Sam  
Gray, David;Garcia, David  
**Subject:** FW: Revised NTW Project Topic # 2011-3 - Minimizing and Managing Potential Impacts of Injection-Induced Seismicity from Class II Disposal Wells: Practical Approaches  
**Attachments:** Induced seismicity Report 11-12-14 Final.pdf; ATT00001.htm; NTW Induced Seismicity Revised Work Product Transmittal.pdf; ATT00002.htm

Ron/Sam,

FYI, the UIC seismicity report has been finalized and sent to OW by the UIC National Technical Work Group. This marks the end of a 3+ year effort, largely by our excellent UIC staff and with input from our state partners.

Bill

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**From:** Bergman, Ronald  
**nt:** Friday, November 14, 2014 12:43 PM  
Honker, William  
**Cc:** Grevatt, Peter  
**Subject:** Fwd: Revised NTW Project Topic # 2011-3 - Minimizing and Managing Potential Impacts of Injection-Induced Seismicity from Class II Disposal Wells: Practical Approaches

Hi Bill,

Thanks for Region 6's leadership on the seismicity report. This is a great achievement. I know it took a lot of hard work, but your staff have really shown EPA's expertise in this area. Even as a draft, the document has been central to the EPA and state discussions around induced seismicity. Congratulations to Phil, Nancy, Ken, Rob, and Arnold.

Sent from my iPhone

Begin forwarded message:

**From:** "Hildebrandt, Kurt" <Hildebrandt.Kurt@epa.gov>  
**To:** "Bergman, Ronald" <Bergman.Ronald@epa.gov>, "Green, Holly" <Green.Holly@epa.gov>  
**Cc:** "UIC Managers" <UIC\_Managers@epa.gov>, "UIC National Technical Workgroup--State and EPA Members" <UIC\_National\_Technical\_WorkgroupState\_and\_EPA\_Members@epa.gov>  
**Subject:** Revised NTW Project Topic # 2011-3 - Minimizing and Managing Potential Impacts of Injection-Induced Seismicity from Class II Disposal Wells: Practical Approaches

Ron & Holly –

Please find attached a revised copy of the NTW work product (report) on induced seismicity and the transmittal memo. This revised version of the report incorporates comments (where appropriate) that were provided by the external peer review group that had been assembled by OGWDW as well as a technical editor who was tasked to correct any grammatical mistakes, misspellings, mistyping or incorrect punctuation and to ensure the consistent usage of terms. While this resulted in a number of changes overall to the report, those changes did not alter the recommendations that were contained in the original version of report.

The development of the revised version took a lot of hard work by number of people and many hours on the phone and PC reviewing comments, making changes and reaching consensus. However, it was the persistence of the Region 6 Management and Staff (in particular Phil Dellinger, Nancy Dorsey, Ken Johnson, Arnold Bierschenk and Ron Lawrence) along with Bruce Kobelski and William Bates of your staff that really kept this on track over its second gestation period. So kudos to them and the rest of the NTW members and others that worked on or reviewed this report. In the end, I believe that this revised version improves on what was an already excellent document and should prove to be valuable tool to those UIC program Directors who either have developed or are in the process of developing their own plans for addressing induced seismicity.

I hope that you find the work product useful and feel free to contact either Phil Dellinger or myself if you should have any questions about it.

Regards,  
Kurt

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